Fig. 1

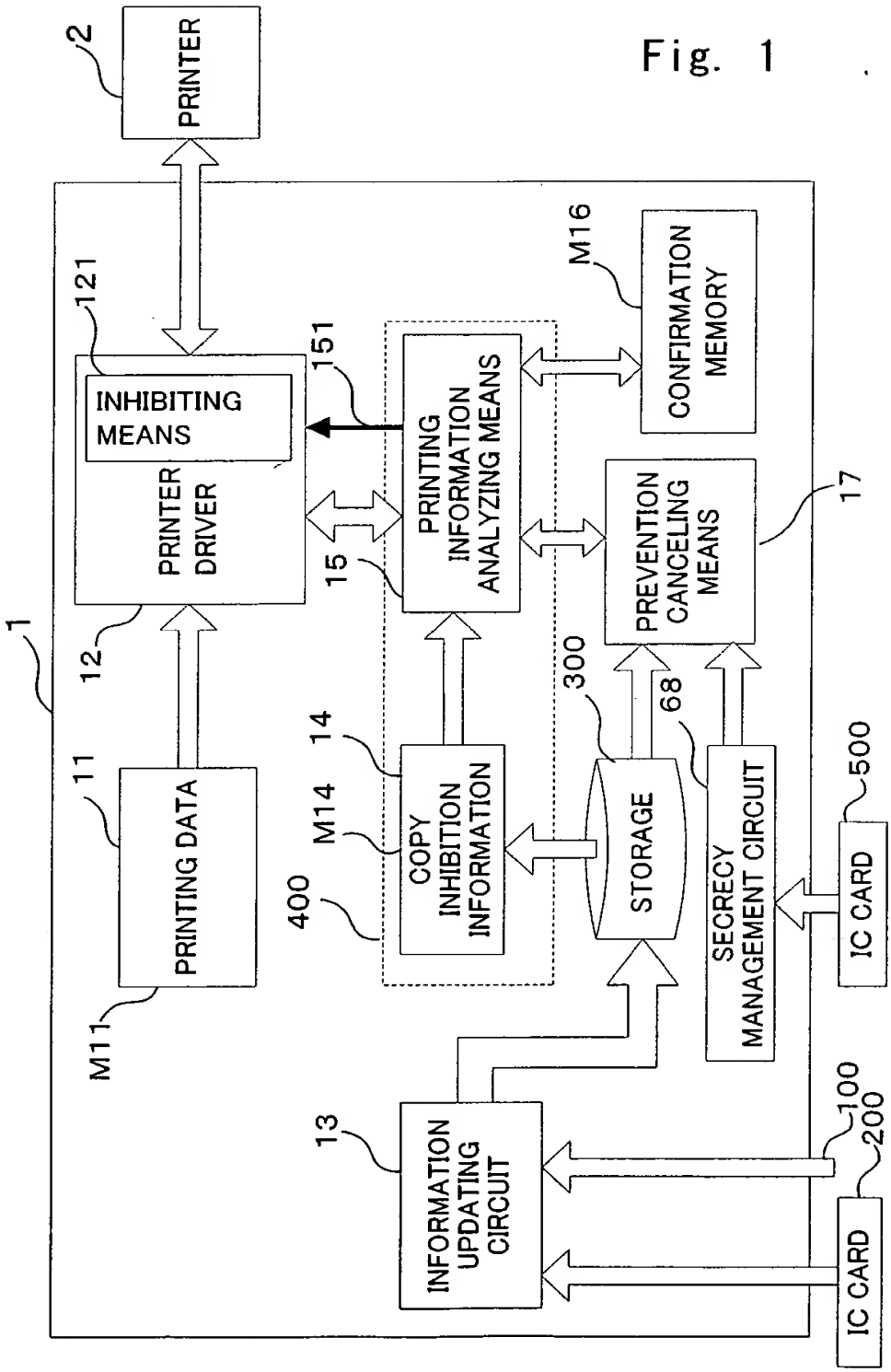
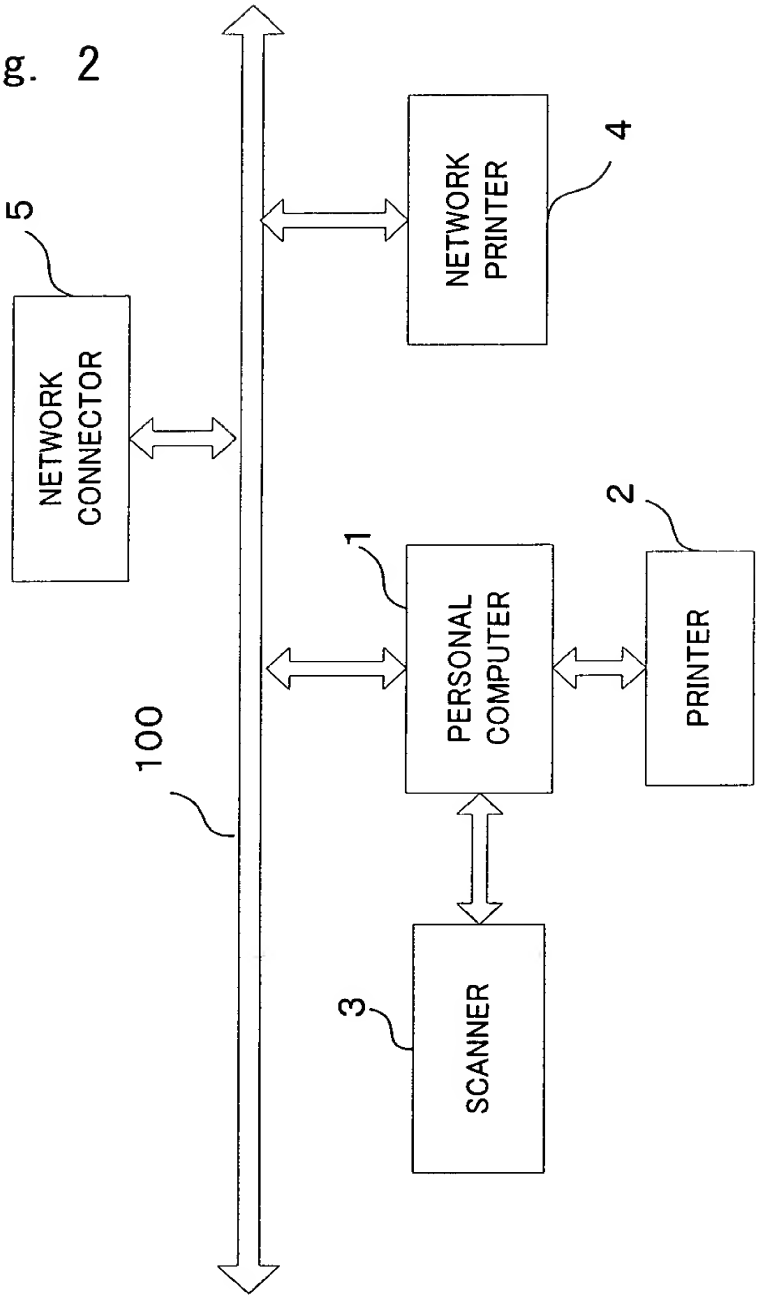
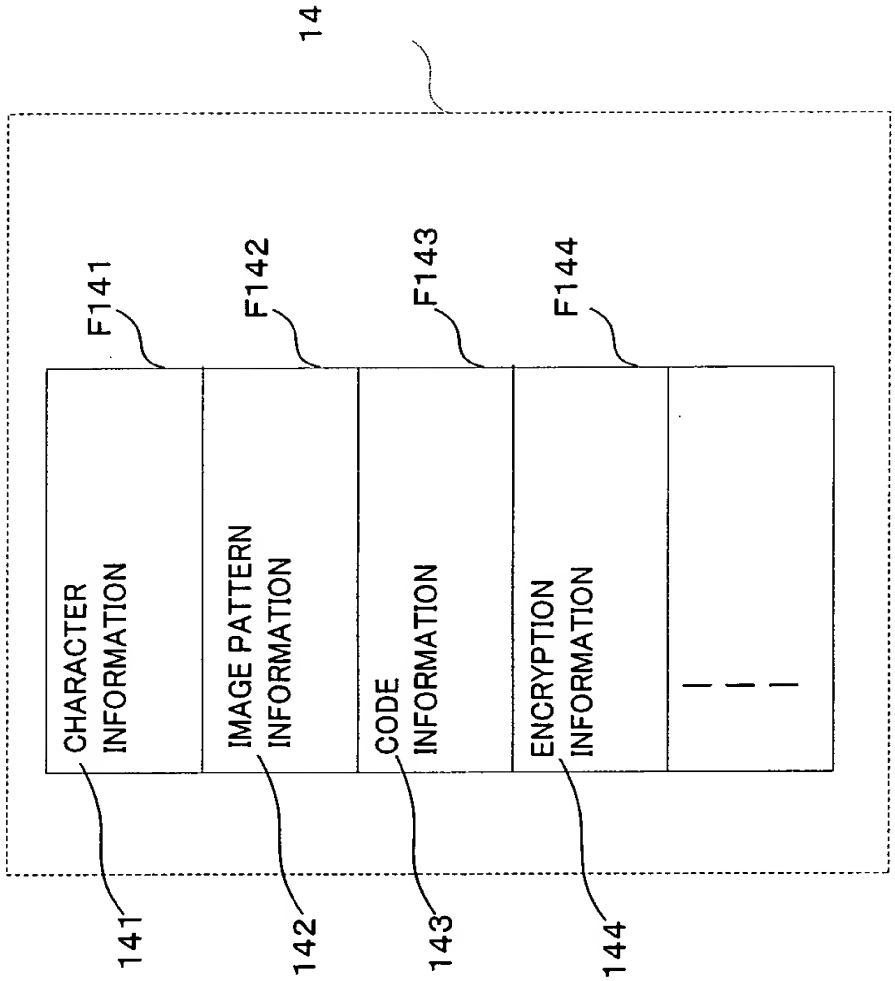

2
PRINTER
121
INHIBITING MEANS
PRINTER DRIVER
12
1
11
PRINTING DATA
M11
151
15
PRINTING INFORMATION ANALYZING MEANS
14
M14
COPY INHIBITION INFORMATION
400
M16
CONFIRMATION MEMORY
17
PREVENTION CANCELING MEANS
300
68
STORAGE
SECRECY MANAGEMENT CIRCUIT
500
IC CARD
13
INFORMATION UPDATING CIRCUIT
100
200
IC CARD

Fig. 2



FOE280 "9F24T660

Fig. 3



TOE290 "9124F660

Fig. 4

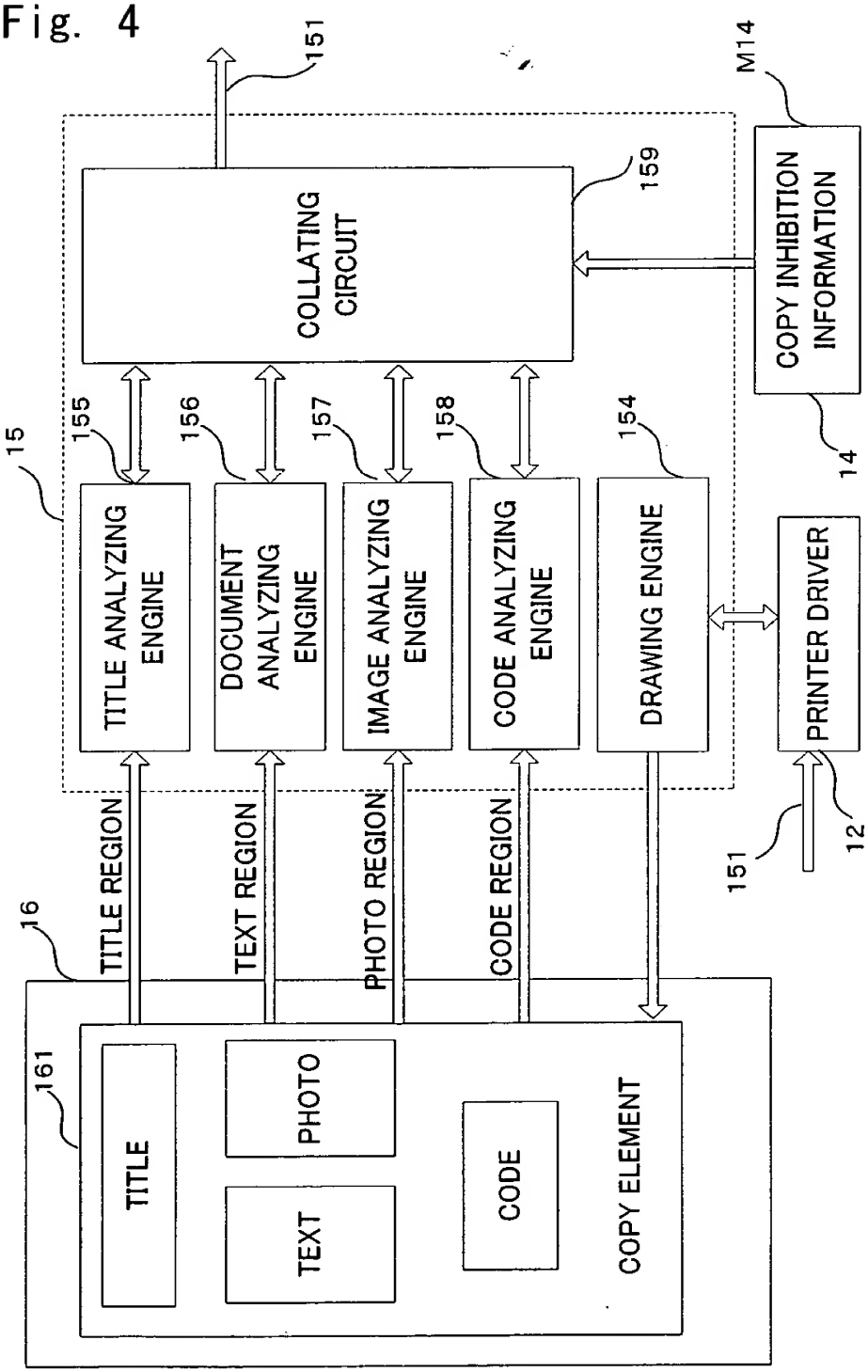

151
M14
159
COLLATING CIRCUIT
COPY INHIBITION INFORMATION
155
156
157
158
154
15
14
TITLE ANALYZING ENGINE
DOCUMENT ANALYZING ENGINE
IMAGE ANALYZING ENGINE
CODE ANALYZING ENGINE
DRAWING ENGINE
PRINTER DRIVER
TITLE REGION
TEXT REGION
PHOTO REGION
CODE REGION
151
12
16
161
TITLE
PHOTO
TEXT
CODE
COPY ELEMENT

Fig. 5

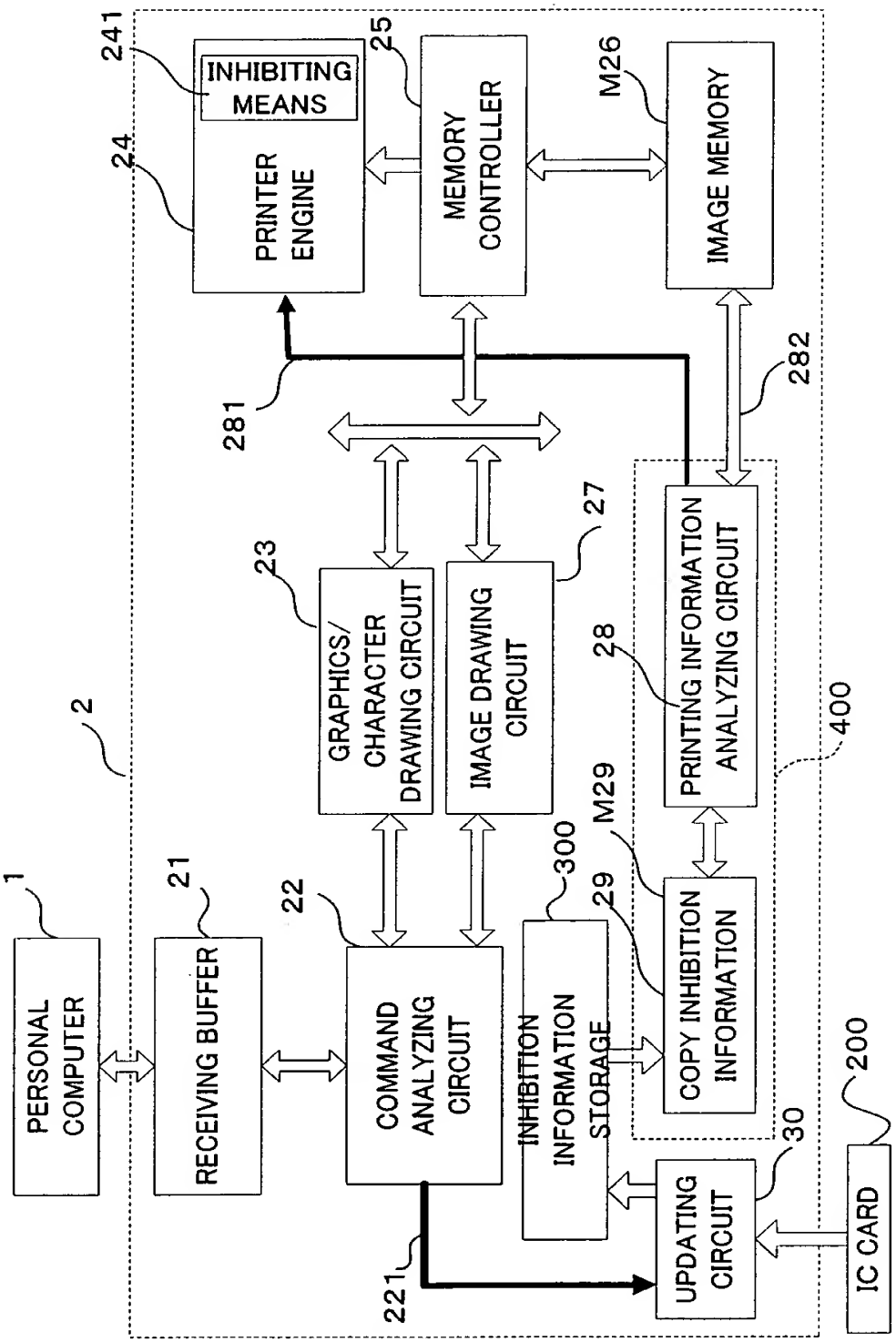

241
INHIBITING MEANS
24
PRINTER ENGINE
25
MEMORY CONTROLLER
M26
IMAGE MEMORY
281
282
2
23
GRAPHICS/ CHARACTER DRAWING CIRCUIT
27
IMAGE DRAWING CIRCUIT
28
PRINTING INFORMATION ANALYZING CIRCUIT
400
1
PERSONAL COMPUTER
21
RECEIVING BUFFER
22
COMMAND ANALYZING CIRCUIT
300
INHIBITION INFORMATION STORAGE
M29
29
COPY INHIBITION INFORMATION
30
UPDATING CIRCUIT
200
IC CARD
221

Fig. 6

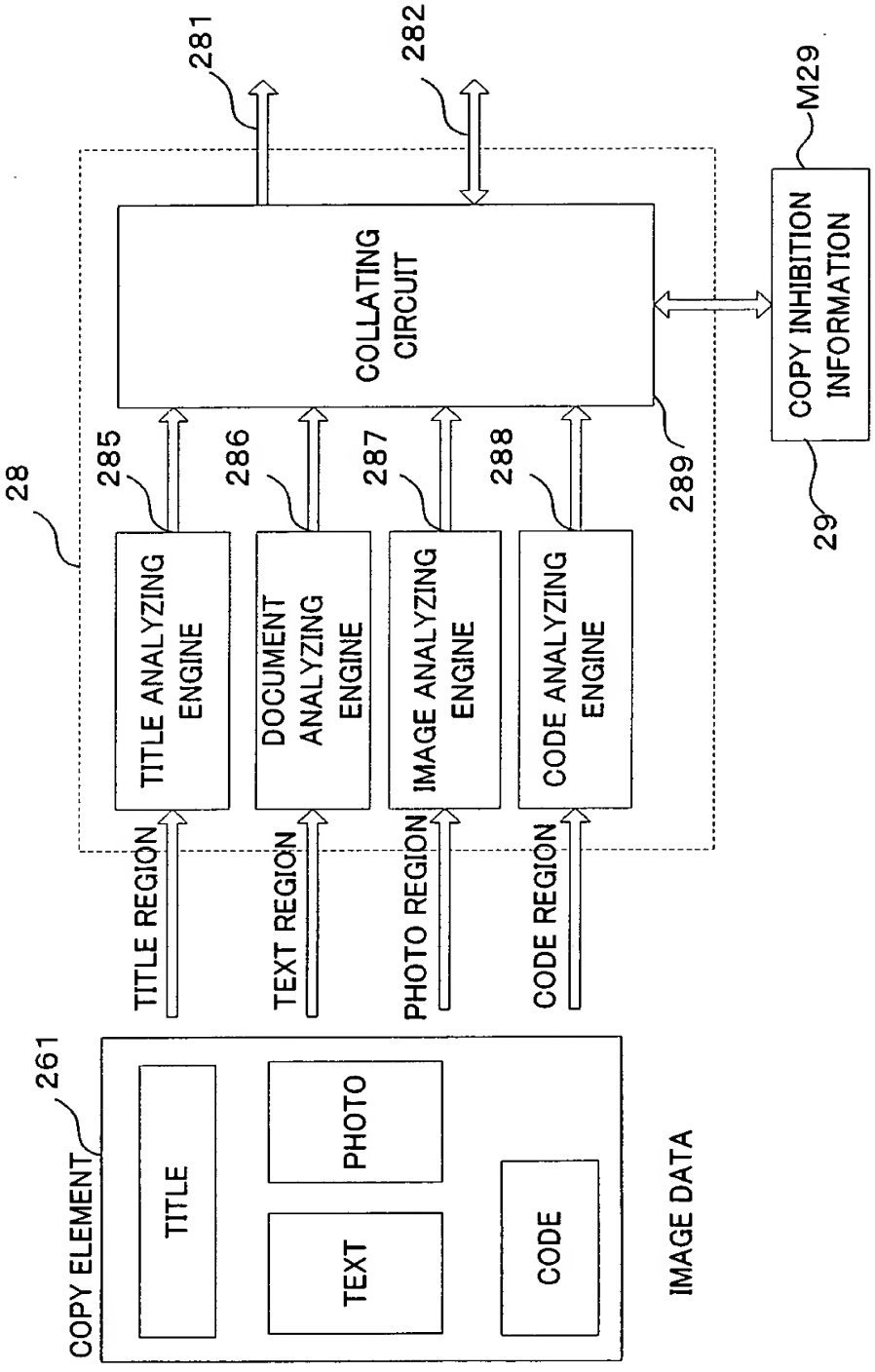

281
282
M29
COLLATING CIRCUIT
COPY INHIBITION INFORMATION
28
285
286
287
288
289
29
TITLE ANALYZING ENGINE
DOCUMENT ANALYZING ENGINE
IMAGE ANALYZING ENGINE
CODE ANALYZING ENGINE
TITLE REGION
TEXT REGION
PHOTO REGION
CODE REGION
261
COPY ELEMENT
TITLE
PHOTO
TEXT
CODE
IMAGE DATA

Fig. 7

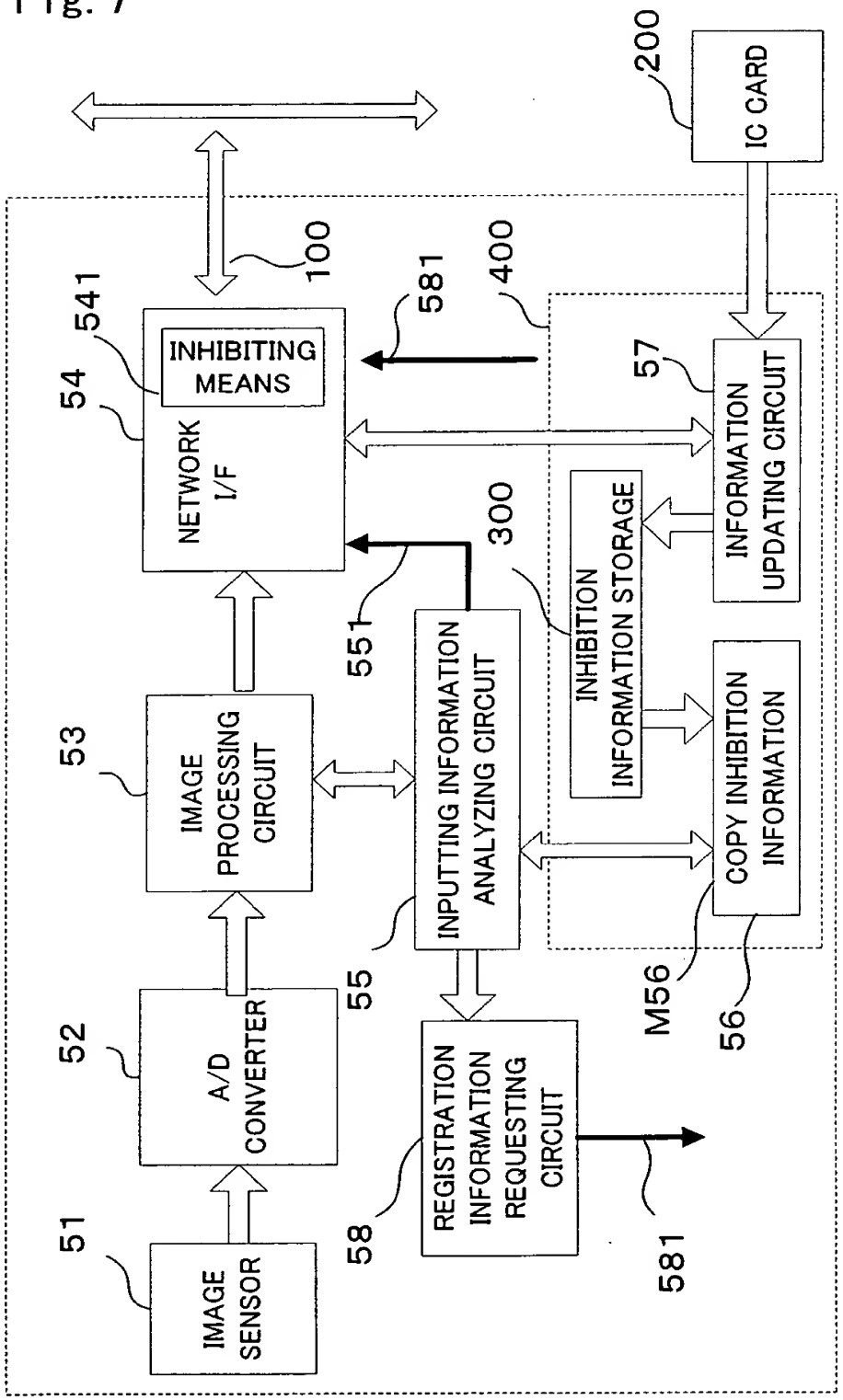


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Fig. 8

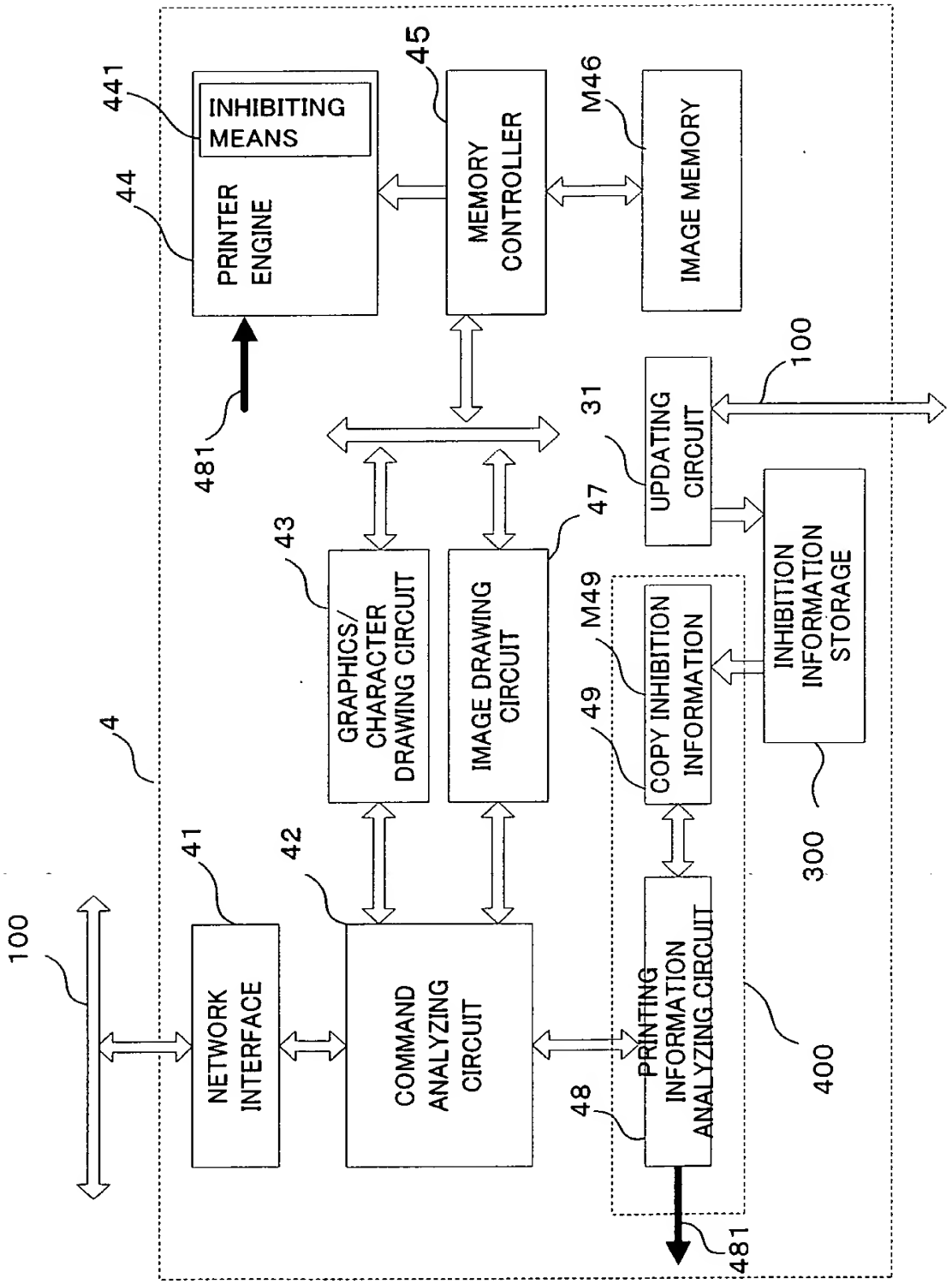
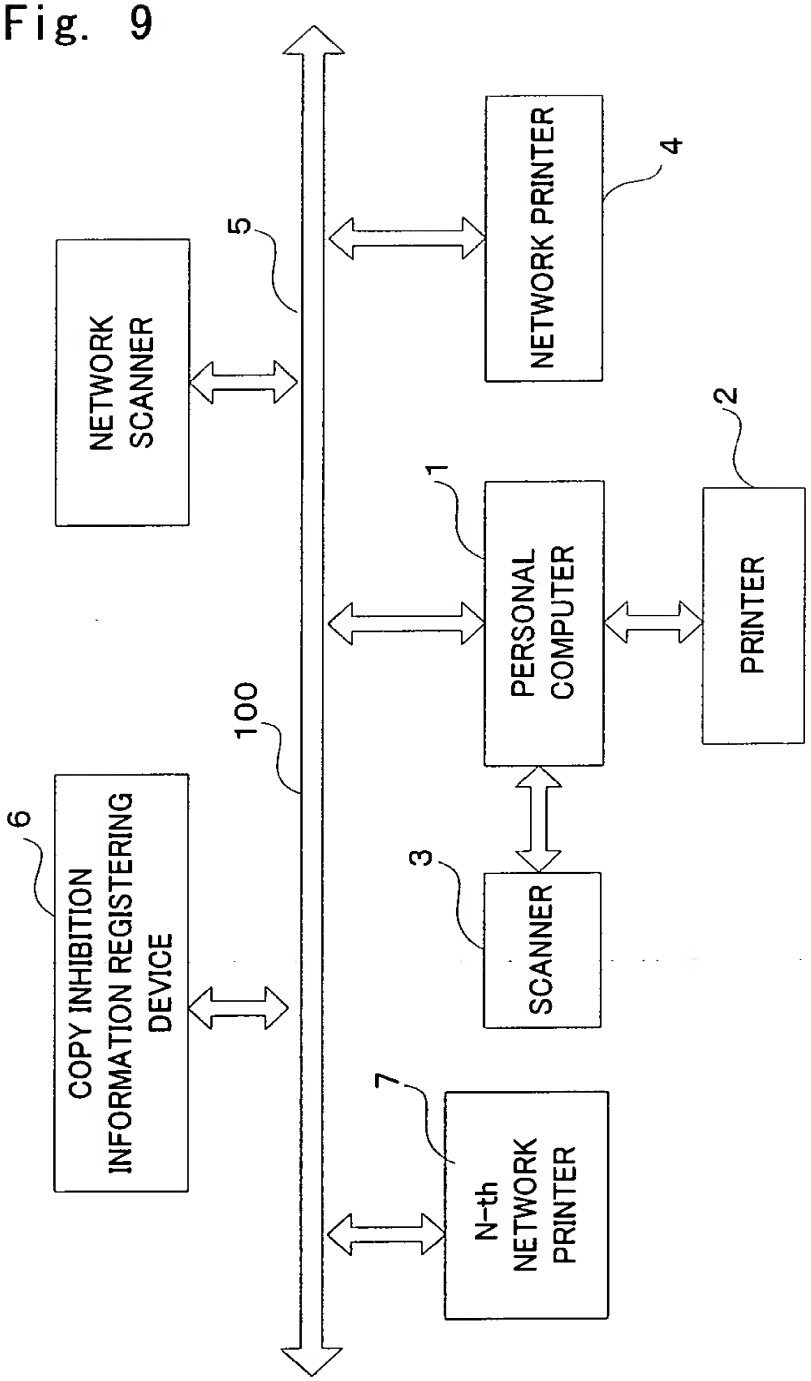

INHIBITING MEANS
PRINTER ENGINE
MEMORY CONTROLLER
IMAGE MEMORY
UPDATING CIRCUIT
INHIBITION INFORMATION STORAGE
GRAPHICS/ CHARACTER DRAWING CIRCUIT
IMAGE DRAWING CIRCUIT
COPY INHIBITION INFORMATION
NETWORK INTERFACE
COMMAND ANALYZING CIRCUIT
PRINTING INFORMATION ANALYZING CIRCUIT
441
44
45
M46
481
31
100
47
43
M49
49
4
41
42
300
48
400
100
481

Fig. 9



T0E2B0" 9F24T560

Fig. 10

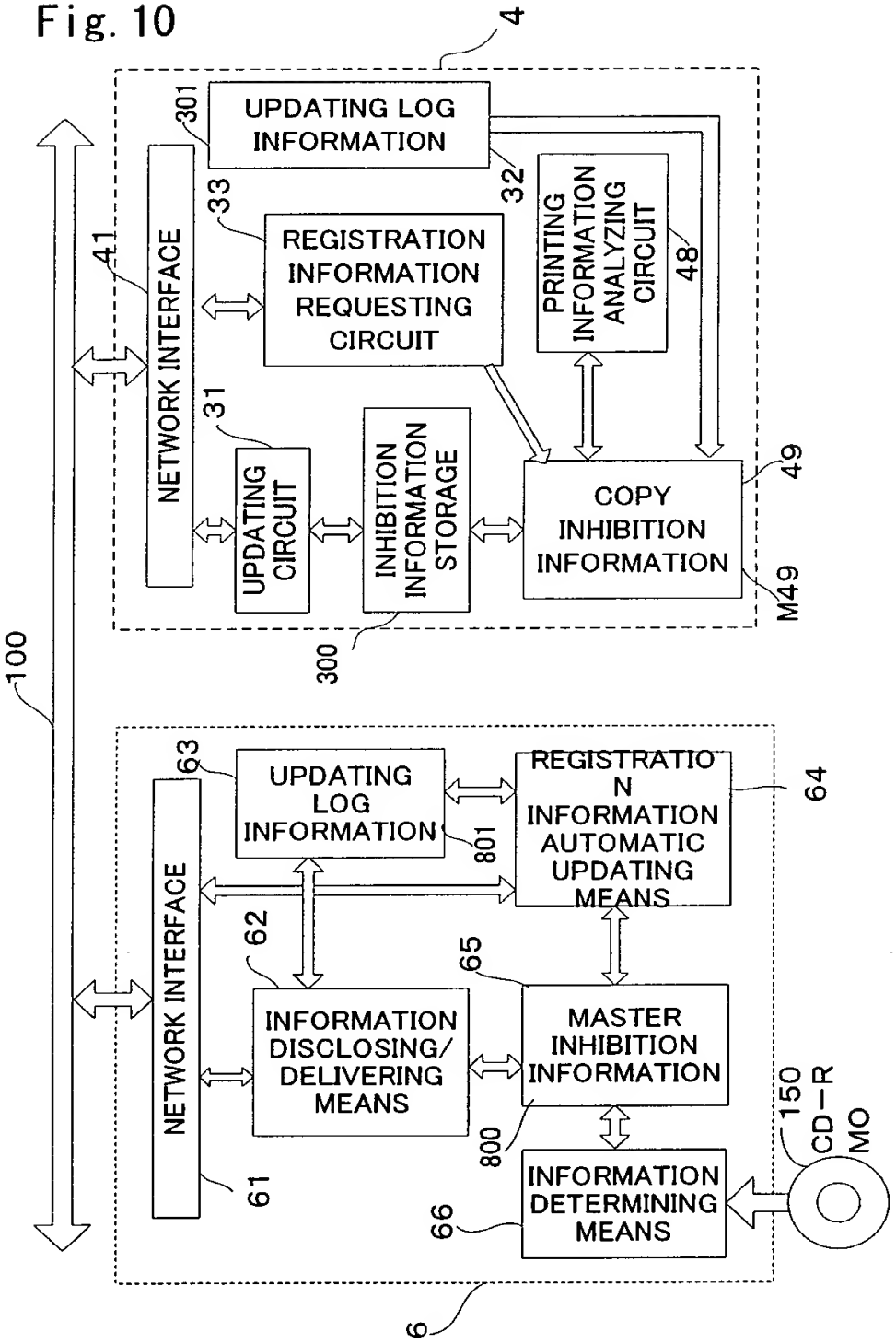

4
UPDATING LOG INFORMATION
301
32
33
REGISTRATION INFORMATION REQUESTING CIRCUIT
PRINTING INFORMATION ANALYZING CIRCUIT
48
41
NETWORK INTERFACE
31
UPDATING CIRCUIT
INHIBITION INFORMATION STORAGE
COPY INHIBITION INFORMATION
49
M49
300
100
63
UPDATING LOG INFORMATION
801
REGISTRATION INFORMATION AUTOMATIC UPDATING MEANS
64
62
65
NETWORK INTERFACE
INFORMATION DISCLOSING/ DELIVERING MEANS
MASTER INHIBITION INFORMATION
150
CD-R
MO
800
INFORMATION DETERMINING MEANS
66
61
6

Fig. 11

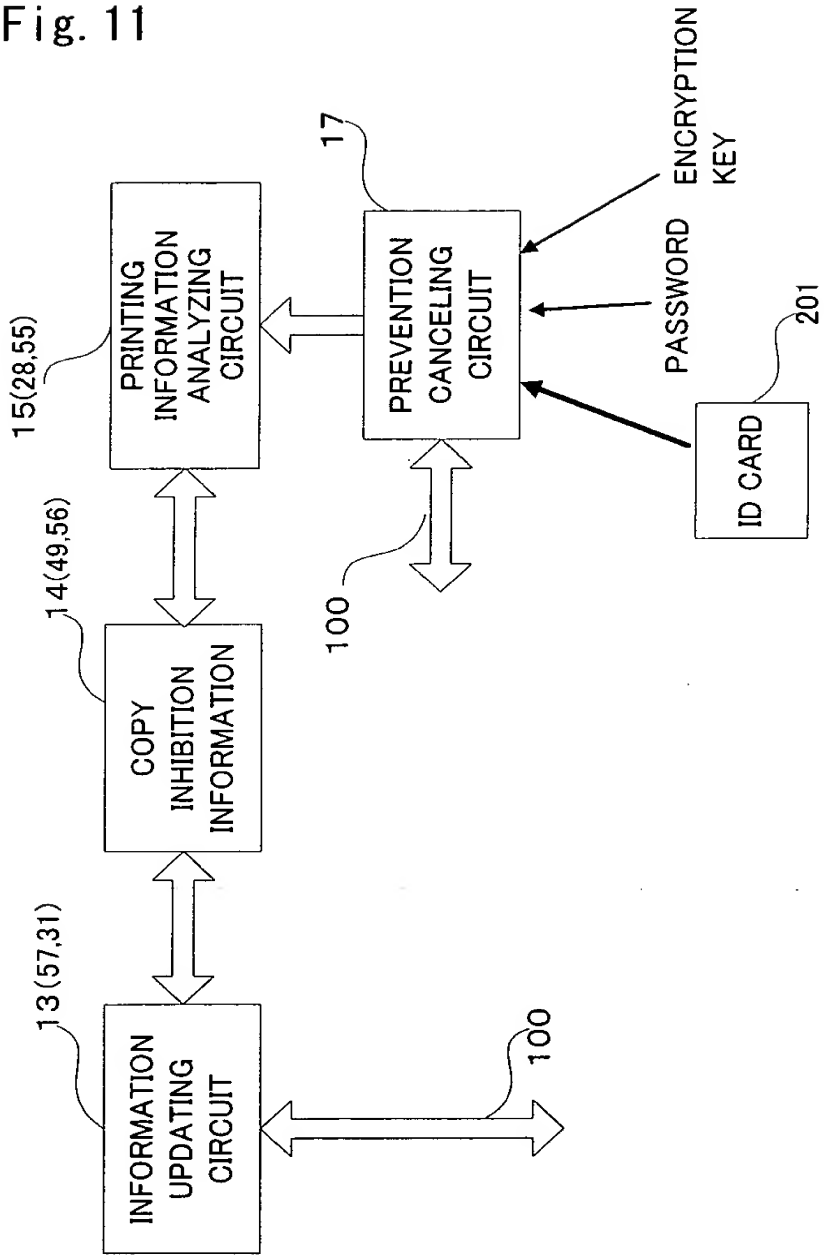


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Fig. 12

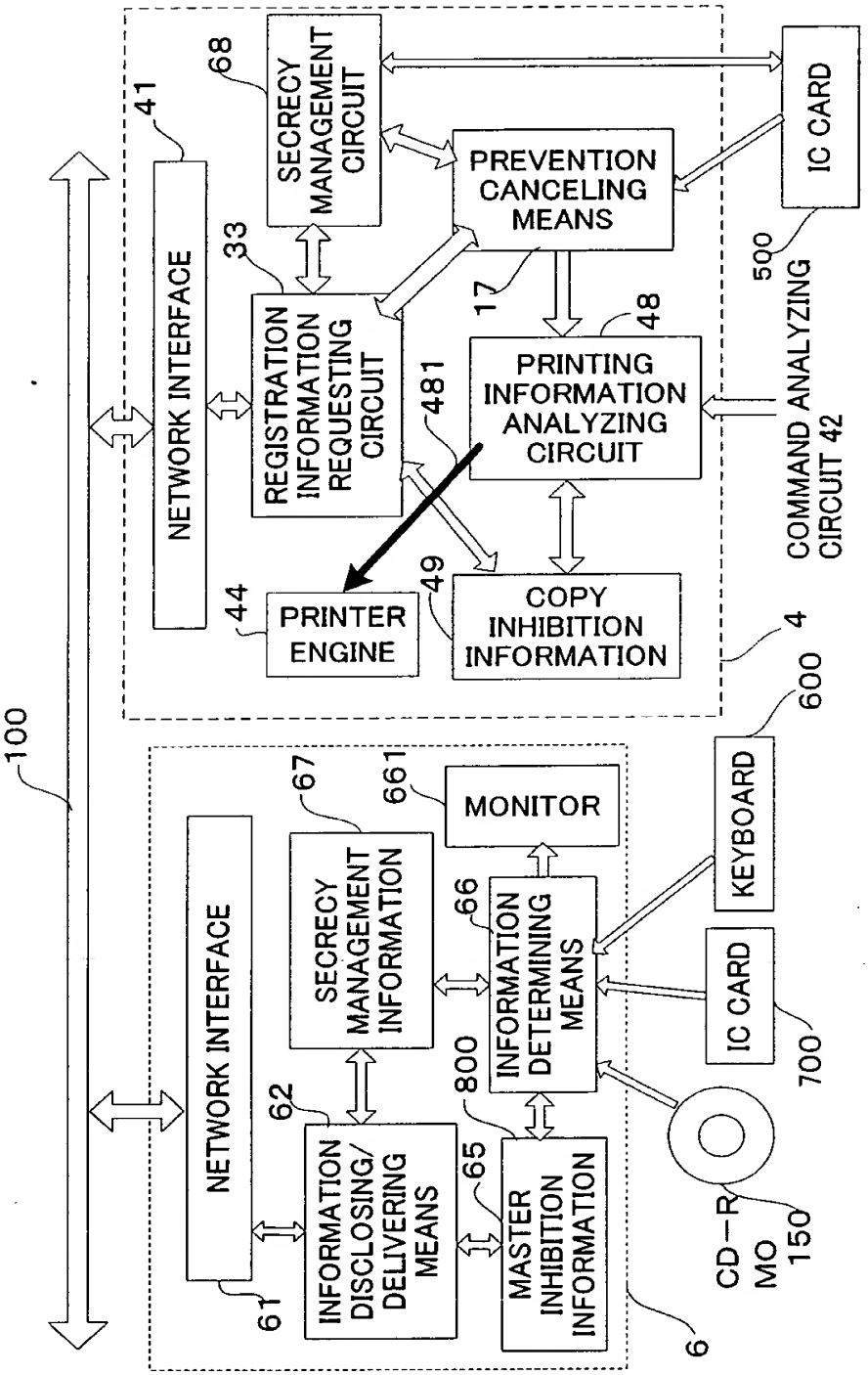

100
NETWORK INTERFACE
41
SECRECY MANAGEMENT CIRCUIT
68
PREVENTION CANCELING MEANS
IC CARD
500
33
REGISTRATION INFORMATION REQUESTING CIRCUIT
17
48
PRINTING INFORMATION ANALYZING CIRCUIT
481
COMMAND ANALYZING CIRCUIT 42
44
PRINTER ENGINE
49
COPY INHIBITION INFORMATION
4
600
KEYBOARD
67
661
MONITOR
NETWORK INTERFACE
SECRECY MANAGEMENT INFORMATION
66
INFORMATION DETERMINING MEANS
IC CARD
700
800
62
65
INFORMATION DISCLOSING/ DELIVERING MEANS
MASTER INHIBITION INFORMATION
CD-R
MO
150
61
6

Fig. 13

670

INFORMATION ID	PERMIT LEVEL	GROUP ID	INDIVIDUAL ID
D001	A001	X00	ID1／PW1
D002	B001	X00	
D003	C001	X00	
D004	C002	Y00	ID1／PW1
D005	B002	Z00	
D006	A002	A00	ID1／PW1
...	...	...	...
Dnnn	P_lvl	Gnn	IDn／PWn

TOE280 "9124660

Fig. 14

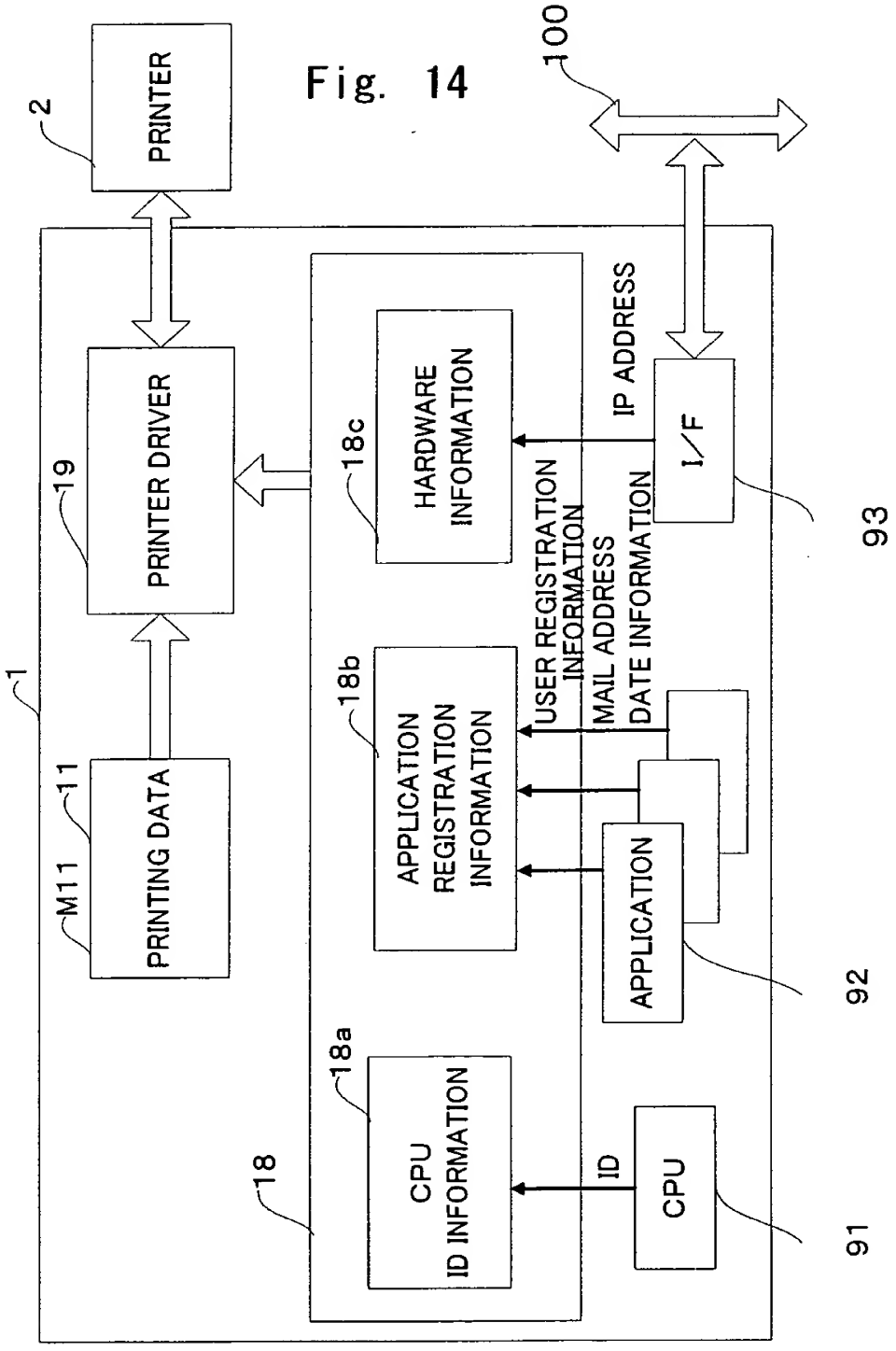
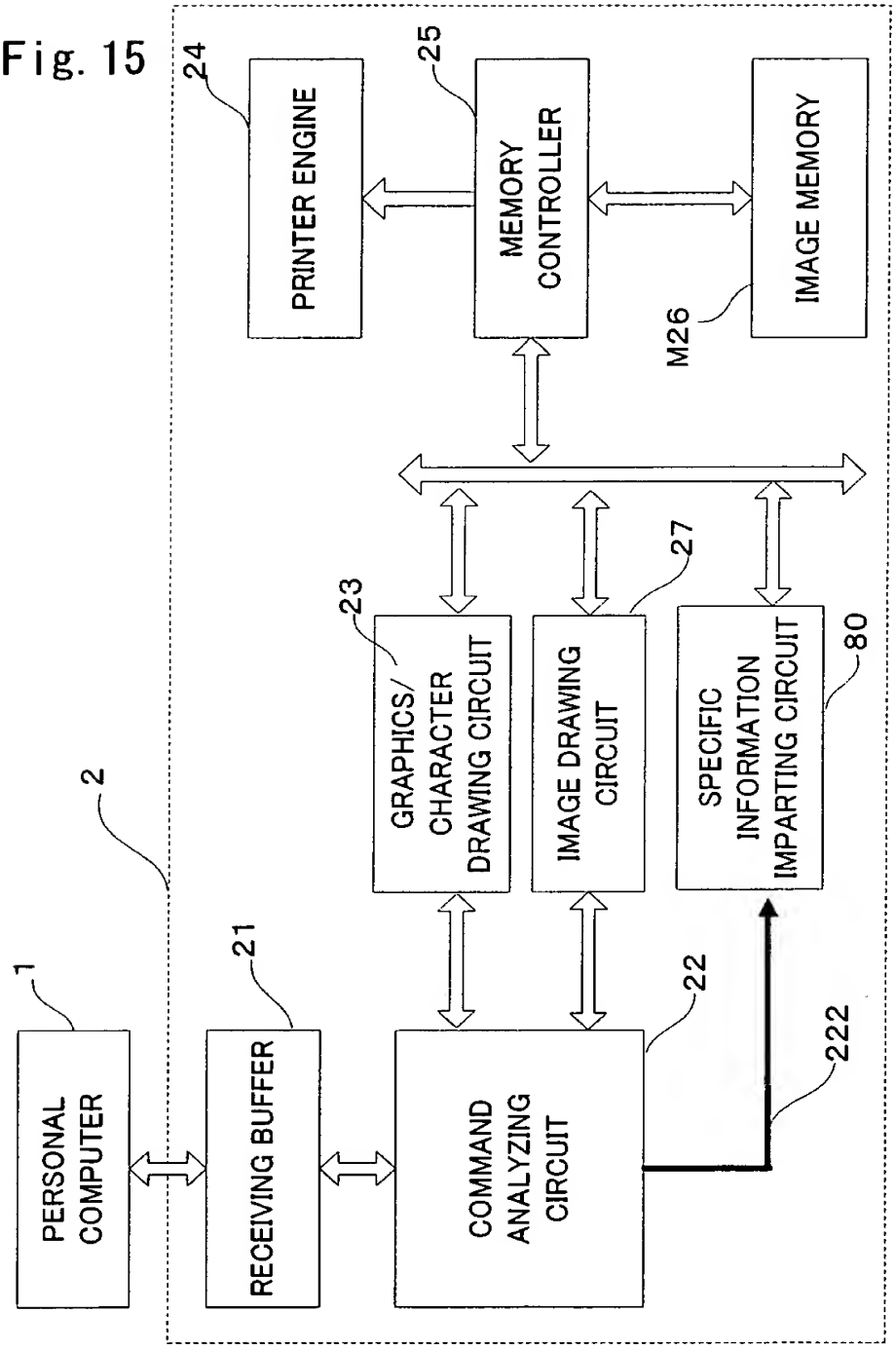
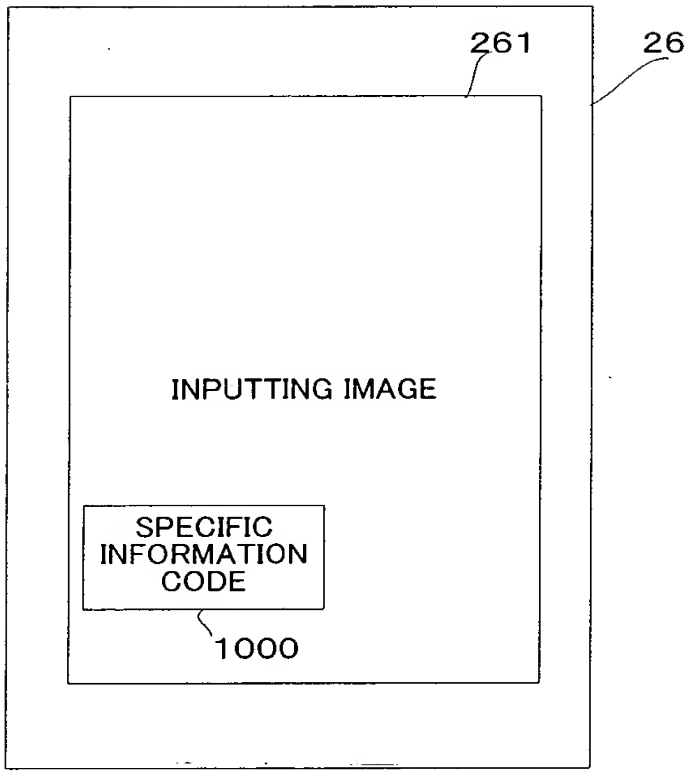

100
2
PRINTER
1
19
PRINTER DRIVER
M11
11
PRINTING DATA
18
18c
HARDWARE INFORMATION
18b
APPLICATION REGISTRATION INFORMATION
18a
CPU ID INFORMATION
IP ADDRESS
USER REGISTRATION INFORMATION
MAIL ADDRESS
DATE INFORMATION
I/F
93
APPLICATION
92
ID
CPU
91

Fig. 15



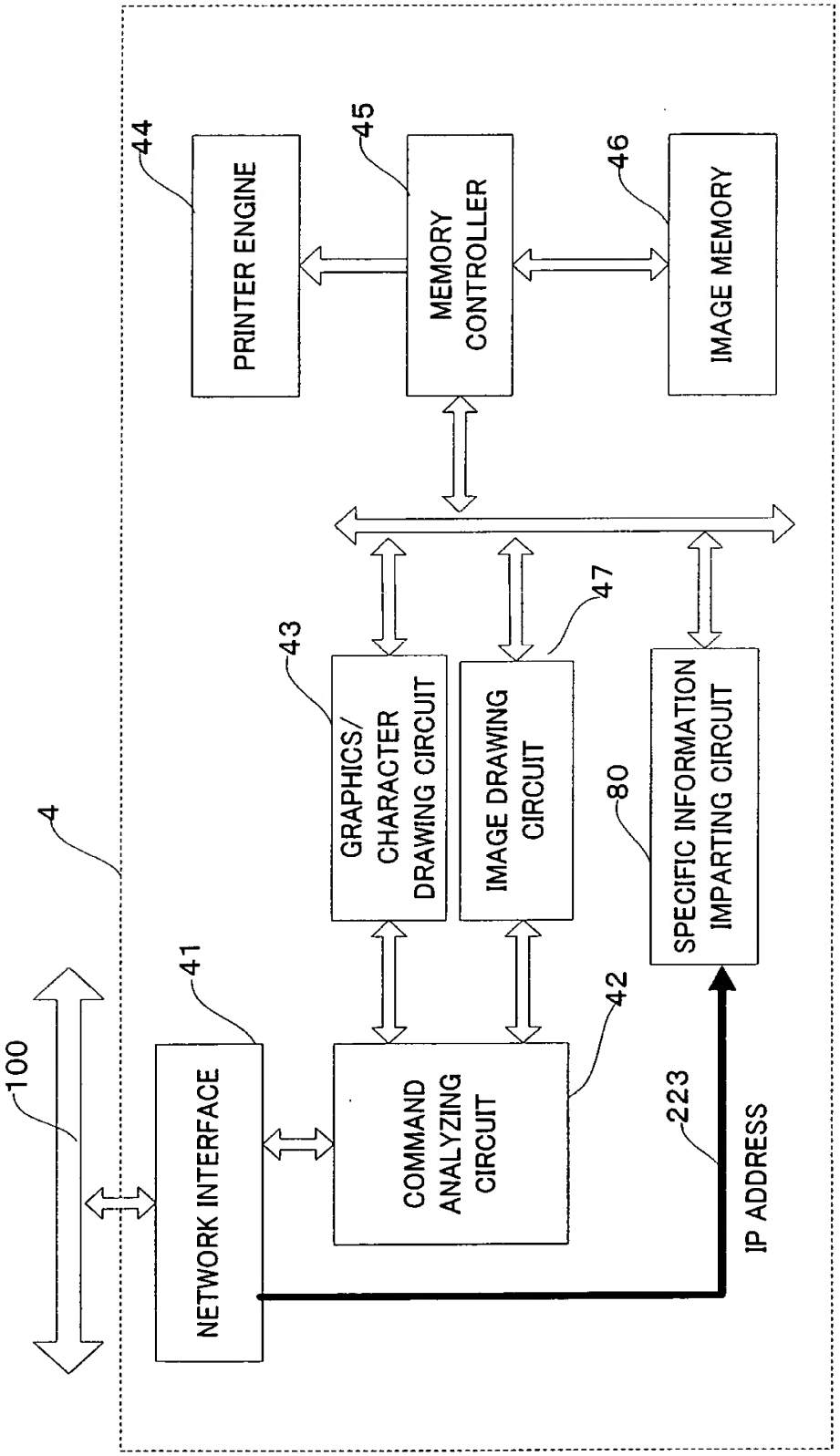
EP02800"9T24T650

Fig. 16



EP02380.9/1426/DE

Fig. 17


4
100
NETWORK INTERFACE
41
COMMAND ANALYZING CIRCUIT
42
GRAPHICS/ CHARACTER DRAWING CIRCUIT
43
IMAGE DRAWING CIRCUIT
47
SPECIFIC INFORMATION IMPARTING CIRCUIT
80
223
IP ADDRESS
PRINTER ENGINE
44
MEMORY CONTROLLER
45
IMAGE MEMORY
46

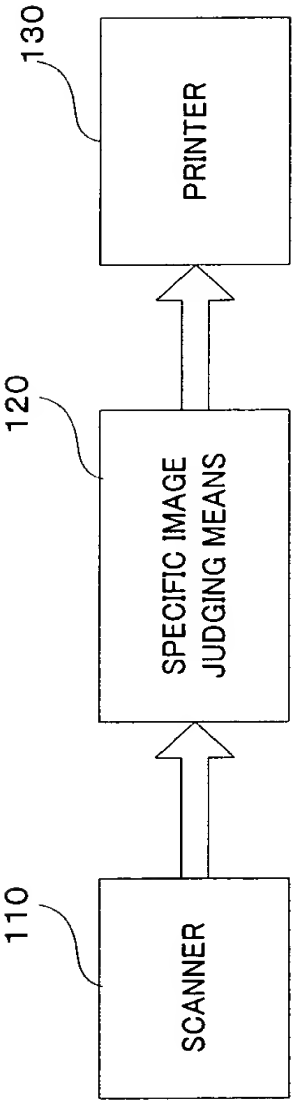



Fig. 18